

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	176	((119/837) or (606/164)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:45
L2	3	L1 and @pd>"20050202"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:46
L3	3	"beak" and "bird" and "energy" and ("tongue" or "throat") and "aperture"	US-PGPUB	OR	OFF	2007/12/14 09:48
L4	9	"beak" and "bird" and "energy" and ("tongue" or "throat") and "aperture"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:54
L5	46	"452"/\$.ccls. and "beak"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/12/14 09:55

10702369\_CLS.txt

Most frequently occurring classifications of patents returned  
from a search of 10702369 on Dec 14 , 2007

Original Classifications

8 606/164  
3 438/297  
2 119/464  
2 119/715  
2 438/241  
2 119/72.5

Cross-Reference Classifications

4 257/506  
3 438/440  
3 257/E21.258  
2 257/E21.339  
2 257/E21.564  
2 257/648  
2 438/298  
2 219/384  
2 438/294

Combined Classifications

8 606/164  
4 438/297  
4 257/506  
3 438/440  
3 119/464  
3 119/715  
3 257/E21.258  
2 257/E21.339  
2 257/E21.564  
2 119/537  
2 438/241  
2 257/648  
2 438/298  
2 219/384  
2 438/452  
2 119/468  
2 438/294  
2 119/72.5

## 10702369\_LIST.txt

10702369

PLUS Search Results for S/N 10702369 Searched Dec 14, 2007.

The Patent Linguistic Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

20050115521  
7232450  
20040143278  
4343310  
5182226  
5391907  
4343309  
4627384  
4913676  
5235934  
5651731  
5722936  
5758596  
4352236  
4026289  
4951610  
5836267  
4375814  
RE31202  
4395973  
4446819  
4551910  
4612701  
4762805  
5022345  
5323733  
5588397  
5628277  
5676091  
5677234  
6133087  
6136651  
6140670  
6187645  
6332431  
6468870  
20040112299  
4558662  
5301635  
5494000  
5894813  
5455438  
4394181  
3807360  
4040425  
4437432  
4949327  
5250298  
5346421  
5393693

## 10702369\_QUAL.txt

20050115521	99
7232450	92
20040143278	92
4343310	92
5182226	83
5391907	83
4343309	83
4627384	83
4913676	83
5235934	83
5651731	83
5722936	83
5758596	83
4352236	78
4026289	78
4951610	78
5836267	78
4375814	78
RE31202	78
4395973	78
4446819	78
4551910	78
4612701	78
4762805	78
5022345	78
5323733	78
5588397	78
5628277	78
5676091	78
5677234	78
6133087	78
6136651	78
6140670	78
6187645	78
6332431	78
6468870	78
20040112299	78
4558662	75
5301635	75
5494000	75
5894813	75
5455438	73
4394181	73
3807360	69
4040425	69
4437432	69
4949327	69
5250298	69
5346421	69
5393693	69

Titles of most frequently occurring classifications of patents returned  
from a search of 10702369 on Dec 14 , 2007

8 606/164 (8 OR, 0 XR)  
Class 606 SURGERY  
606/1 INSTRUMENTS  
606/163 ..Means for debeaking or dehorning animals  
606/164 ...By electrical or thermal application

4 438/297 (3 OR, 1 XR)  
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS  
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE  
REGIONS  
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)  
438/294 ...Including isolation structure  
438/297 ....Recessed oxide formed by localized oxidation (i.e.,  
LOCOS)

4 257/506 (0 OR, 4 XR)  
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE  
DIODES)  
257/499 .INTEGRATED CIRCUIT STRUCTURE WITH ELECTRICALLY ISOLATED  
COMPONENTS  
257/506 ..Including dielectric isolation means

3 438/440 (0 OR, 3 XR)  
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
438/400 .FORMATION OF ELECTRICALLY ISOLATED LATERAL SEMICONDUCTIVE  
STRUCTURE  
438/439 ..Recessed oxide by localized oxidation (i.e., LOCOS)  
438/440 ...Including nondopant implantation

3 119/464 (2 OR, 1 XR)  
Class 119 ANIMAL HUSBANDRY  
119/416 .CONFINING OR HOUSING  
119/452 ..Animal display or open work enclosure (e.g., cage, etc.)  
119/459 ...Bird cage  
119/464 ....With feeding or watering means

3 119/715 (2 OR, 1 XR)  
Class 119 ANIMAL HUSBANDRY  
119/712 .ANIMAL CONTROLLING OR HANDLING (E.G., RESTRAINING,  
BREAKING, TRAINING, SORTING, CONVEYING, ETC.)  
119/713 ..Bird  
119/714 ...Body worn  
119/715 ....Head carried

3 257/E21.258 (0 OR, 3 XR)  
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE  
DIODES)  
257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR  
TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)  
257/E21.002 ..Manufacture or treatment of semiconductor device (EPO)  
257/E21.04 ...Device having at least one potential-jump barrier or  
surface barrier, e.g., PN junction, depletion layer, carrier concentration layer  
(EPO)  
257/E21.085 ....Device having semiconductor body comprising Group IV  
elements or Group III-V compounds with or without impurities, e.g., doping materials  
(EPO)  
257/E21.211 .....Treatment of semiconductor body using process other  
than deposition of semiconductor material on a substrate, diffusion or alloying of

impurity material, or radiation treatment (EPO)

257/E21.214 .....To change their surface-physical characteristics or shape, e.g., etching, polishing, cutting (EPO)

257/E21.24 .....To form insulating layer thereon, e.g., for masking or by using photolithographic technique (EPO)

257/E21.258 .....Using masks (EPO)

2 257/E21.339 (0 OR, 2 XR)

Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)

257/E21.002 ..Manufacture or treatment of semiconductor device (EPO)

257/E21.04 ...Device having at least one potential-jump barrier or surface barrier, e.g., PN junction, depletion layer, carrier concentration layer (EPO)

257/E21.085 ....Device having semiconductor body comprising Group IV elements or Group III-V compounds with or without impurities, e.g., doping materials (EPO)

257/E21.328 .....Radiation treatment (EPO)

257/E21.331 .....With high-energy radiation (EPO)

257/E21.334 .....Producing ions for implantation (EPO)

257/E21.335 .....In Group IV semiconductor (EPO)

257/E21.339 .....Of electrically inactive species in silicon to make buried insulating layer (EPO)

2 257/E21.564 (0 OR, 2 XR)

Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

257/E21.001 .PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE OR TREATMENT OF SEMICONDUCTOR OR SOLID-STATE DEVICES OR OF PARTS THEREOF (EPO)

257/E21.532 ..Manufacture or treatment of devices consisting of plurality of solid-state components formed in or on common substrate or of parts thereof; manufacture of integrated circuit devices or of parts thereof (EPO)

257/E21.536 ...Manufacture of specific parts of devices (EPO)

257/E21.54 ....Making of isolation regions between components (EPO)

257/E21.545 .....Dielectric regions, e.g., EPIC dielectric isolation, LOCOS; trench refilling techniques, SOI technology, use of channel stoppers (EPO)

257/E21.561 .....Using semiconductor or insulator technology, i.e., SOI technology (EPO)

257/E21.564 .....SOI together with lateral isolation, e.g., using local oxidation of silicon, or dielectric or polycrystalline material refilled trench or air gap isolation regions, e.g., completely isolated semiconductor islands (EPO)

2 119/537 (1 OR, 1 XR)

Class 119 ANIMAL HUSBANDRY

119/416 ..CONFINING OR HOUSING

119/537 ..Portable or nonconfined bird perch

2 438/241 (2 OR, 0 XR)

Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE REGIONS

438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)

438/238 ...Including passive device (e.g., resistor, capacitor, etc.)

438/239 ....Capacitor

438/241 .....And additional field effect transistor (e.g., sense or access transistor, etc.)

2 257/648 (0 OR, 2 XR)

10702369\_CLSTITLES.txt

DIODES) Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE  
257/629 .WITH MEANS TO CONTROL SURFACE EFFECTS  
257/632 ..Insulating coating  
257/647 ...Insulating layer recessed into semiconductor surface  
(e.g., LOCOS oxide)  
257/648 ....Combined with channel stop region in semiconductor

2 438/298 (0 OR, 2 XR)  
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS  
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE  
REGIONS  
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)  
438/294 ...Including isolation structure  
438/297 ....Recessed oxide formed by localized oxidation (i.e.,  
LOCOS)  
438/298 .....Doping region beneath recessed oxide (e.g., to form  
chanstop, etc.)

2 219/384 (0 OR, 2 XR)  
Class 219 ELECTRIC HEATING  
219/200 .HEATING DEVICES  
219/383 ..Electric arc-type devices  
219/384 ...With perforating or disintegrating means

2 438/452 (1 OR, 1 XR)  
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
438/400 .FORMATION OF ELECTRICALLY ISOLATED LATERAL SEMICONDUCTIVE  
STRUCTURE  
438/439 ..Recessed oxide by localized oxidation (i.e., LOCOS)  
438/452 ...Plural oxidation steps to form recessed oxide

2 119/468 (1 OR, 1 XR)  
Class 119 ANIMAL HUSBANDRY  
119/416 .CONFINING OR HOUSING  
119/452 ..Animal display or open work enclosure (e.g., cage, etc.)  
119/459 ...Bird cage  
119/467 ....With attachment device  
119/468 .....Perch for cage

2 438/294 (0 OR, 2 XR)  
Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS  
438/142 .MAKING FIELD EFFECT DEVICE HAVING PAIR OF ACTIVE REGIONS  
SEPARATED BY GATE STRUCTURE BY FORMATION OR ALTERATION OF SEMICONDUCTIVE ACTIVE  
REGIONS  
438/197 ..Having insulated gate (e.g., IGFET, MISFET, MOSFET, etc.)  
438/294 ...Including isolation structure

2 119/72.5 (2 OR, 0 XR)  
Class 119 ANIMAL HUSBANDRY  
119/72 .WATERING OR LIQUID FEED DEVICE  
119/72.5 ..Drop-delivering